

THE BULLETIN

FEBRUARY 26, 2001 ~ 54TH YEAR ~ NUMBER 13

Law School Allegations Probed

BY SUSAN BLOCH-NEVITTE

INVESTIGATION CONTINUES INTO allegations that some 30 first-year law students seeking summer jobs misrepresented their grades to law firms. As well, a three-member committee of professors external to the law faculty is being appointed by the provost's office to look into student allegations that a faculty member in the law school may have played a role.

"Exactly what the students did as well as what was said must still be determined," said Vice-Provost Paul Gooch. "This is a very serious matter but we will need to get a clear understanding of the facts to see if we will proceed. Right now this is a fact-finding effort."

Rumours began circulating earlier this month within the law school that some students had misrepresented their grades on a December practice exam designed primarily to help the students gain testing experience. The marks for the test do not count toward the students' final grades unless it is to the advantage of the students to do so. The law school's curriculum operates on a full-year-course basis and therefore first-year students do not have official transcripts until the end of the school year. They do, however, have the grades on their practice exams to show potential employers.

A front-page story in the Feb. 13 edition of the law school's student newspaper, *Ultra Vires*, reported on

the rumours and quoted one of the law school's professors.

"It goes without saying that the faculty, and the university, regard communication of a falsified academic record as a serious breach of the University of Toronto Code of Behaviour on Academic Matters," wrote Professor Ron Daniels, dean of the Faculty of Law, in a letter to the law school community. "Indeed, misrepresentation of a student's academic record is at odds with the core values of this faculty and our university — integrity, academic excellence and intellectual rigor. It is also at odds with the core value of honesty so deeply embedded in the fabric of the legal profession."

Upon hearing the allegations about misrepresented grades, the law school immediately issued a general statement to every first-year student stating their obligations under U of T's Code of Behaviour on Academic Matters and the Law Society Act of Ontario. After receiving further evidence of possible academic misrepresentation, the faculty examined its official academic record and the results submitted by some first-year students to a number of law firms and found some discrepancies.

Subsequently, every first-year student was notified that they must immediately withdraw their applications from the hiring process if

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CRANE'S EYE VIEW



Rob Bailey, field engineer for PCL Constructors Canada, Inc., peers from his perch in a crane high above the site from which the new Bahen Centre for Information Technology is rapidly rising. Slated to open in 2002 the structure is one of many new buildings changing the face of the university.



STEVE BEHAL

Engineering, Nursing Deans Appointed

BY MEGAN EASTON

TWO INTERNATIONALLY RE-nowned researchers, one in communications engineering and one in women's health, have been appointed the new deans of the Faculty of Applied Science and Engineering and the Faculty of Nursing respectively.

Professor Anastasios Venetsanopoulos of U of T's Edward S. Rogers Sr. Department of Electrical and Computer Engineering will begin a five-year term as dean of the engineering faculty on July 1, 2001. On the same day, Professor Dyanne Affonso, former dean of the Nell Hodgson Woodruff School of Nursing at Emory University in Atlanta, Georgia, will begin her seven-year appointment as dean of nursing.

"Professor Venetsanopoulos brings to this role as dean an outstanding record of research accomplishment, a broad range of involvement within the international academic community and a

strong commitment to engineering education at both the undergraduate and graduate levels," said Provost Adel Sedra.

Venetsanopoulos received his undergraduate education at the National Technical University of Athens, followed by master's and doctoral degrees at Yale University. He joined the electrical and computer engineering department in 1968 and has served as the department's associate chair of graduate studies since 1997. Following a six-month stint in 1999 during which he was the acting chair he became the first holder of the department's Bell Canada Chair in Multimedia.

The author of more than 650 published papers on subjects such as multimedia systems, digital image processing, neural networks and digital communications, Venetsanopoulos is widely recognized for his research.

Affonso's record of achievement is equally impressive. During her time as dean at Emory, she established a new doctoral program and

brought Emory into the top 10 nursing schools receiving National Institutes of Health funding.

"Professor Affonso will assume the deanship at a moment of unique opportunity when the Faculty of Nursing is poised to enter an exciting period of unprecedented expansion and development," said Sedra. "With her vision, experience, enthusiasm and talent, I am confident that Professor Affonso will take full advantage of this opportunity to lead the faculty to a position of national and international prominence in research and innovative professional education."

Currently the Dorothy Hodges Olson Endowed Chair in Women's Health at the University of Nebraska Medical Center, Affonso received her bachelor's degree in nursing at the University of Hawaii, her master's degree in nursing at the University of Washington and a PhD in clinical psychology at the University of Arizona. Before becoming dean at

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China Trip Lauded

BY PAUL FRAUMENI

U OF T'S FIRST FORMAL participation on a Team Canada trade mission was a success on three counts, says Professor Heather Munroe-Blum — it strengthened the university's internationalization strategy, reinforced the value of universities in international affairs and highlighted globally U of T's emerging and existing research networks.

Munroe-Blum, vice-president (research and international relations), was U of T's representative on the Feb. 9-16 trade mission to China. In addition to meetings on the Team Canada agenda, Munroe-Blum met with senior ministers in the Chinese federal government to advance key existing and proposed partnerships between U of T and Chinese researchers and academic institutions.

Proposed projects would link Chinese counterparts with the Munk Centre for International

Studies, the Institute for Environmental Studies, the department of health administration, OISE/UT and the Faculty of Social Work. Currently in the proposal discussion stage, funding is being sought from such bodies as the Canadian International Development Agency (CIDA), Canadian and Chinese government departments and the Ford Foundation. Munroe-Blum also explored new opportunities for student exchanges and research collaboration.

"I felt our presence was extremely beneficial to strengthening the university's academic and research collaborations in China in what is becoming an increasingly broad array of disciplines," said Munroe-Blum shortly after returning to Canada.

"Exchanging ideas, creating knowledge and learning with colleagues in other nations is also an effective tool in advancing democratic ideas in a way that goes beyond politics," she said.

IN BRIEF



"Fernie" asteroid honours retired astronomy professor

DON FERNIE, U OF T PROFESSOR EMERITUS OF ASTRONOMY, HAS HAD an asteroid named in his honour by the International Astronomical Union. The union cited Fernie's work in variable stars, galactic structure, photoelectric photometry and the history of 19th- and 20th-century astronomy. According to Fernie, the asteroid — named Number 8875 Fernie — is found in the central classic asteroid belt, a region between the planets Mars and Jupiter. "That means that it never gets close to Earth, I'm happy to say," Fernie said with a laugh. "It's between 100 and 600 million km from the Earth, so it's out beyond Mars in the solar system, it takes about three and a half years to go around the sun once. And it's quite a small object ... it's just a little streak on a photograph." Fernie is in distinguished company. Other U of T faculty who have had asteroids named after them include Helen Sawyer Hogg, John Heard and Ruth Northcott.

Administration funds positive space

THE POSITIVE SPACE CAMPAIGN, MADE UP OF FACULTY, STAFF AND students working towards a positive campus environment for gays, lesbians, bisexuals and the transgendered, has received \$7,500 in funding from the president's office for a three-year period. This is the first time the president's office has directly contributed to the support of the campaign. "It's very exciting and encouraging to have this financial endorsement from the president's office," said Jude Tate, co-ordinator, LGBTQ resources and programs. "It will have a real impact on the sexual diversity climate at U of T."

Health research grants awarded

U OF T AND ITS AFFILIATED TEACHING HOSPITALS HAVE BEEN AWARDED more than \$8.5 million by the Canadian Institutes of Health Research as part of its September 2000 operating grant competition. U of T researchers received 23 per cent of the \$36.8 million awarded, more than any other institution. The research projects funded range from tissue engineering and health services to molecular genetics and mental illness. Researchers from McGill University and its affiliates received the second highest total at \$5.8 million. A complete list of the CIHR operating grant recipients is available at <http://www.cihr.ca>.

AWARDS & HONOURS



Faculty of Applied Science & Engineering

PROFESSOR ALEXANDER MCLEAN OF METALLURGY and materials science has been named a fellow of ASM International, the materials information society. The honour of fellow was established in 1969 to recognize members of the society for distinguished contributions in the field of materials science and engineering and to develop a broadly based forum for technical and professional leaders to serve as advisers to the society.

Faculty of Arts & Science

PROFESSOR BARTH NETTERFIELD OF ASTRONOMY HAS been selected to receive a prestigious Sloan Research Fellowship, awarded by the Alfred P. Sloan Foundation. The two-year \$40,000 fellowships are awarded to outstanding young scientists to provide support and recognition early in their careers when other research funding may be difficult to obtain. Currently 100 grants are given annually in six fields:

chemistry, computer science, economics, mathematics, neuroscience and physics.

PROFESSOR ALINA PAYNE OF FINE ART IS THE WINNER of the 2000 Alice Davis Hitchcock Award of the Society of Architectural Historians for her book *The Architectural Treatise in the Italian Renaissance: Architectural Invention, Ornament and Literary Culture*. The most prestigious award given by the society, it is presented annually for the most distinguished work of scholarship in the history of architecture published by a North American scholar in the past two years.

Pulp & Paper Centre

PROFESSOR DOUGLAS REEVE, DIRECTOR OF THE PULP & Paper Centre, was selected to receive the Society of Chemical Industry (SCI) 2001 Purvis Award for his outstanding contributions to the science of pulp and paper. The prize, one of the Canadian chemical industry's most prestigious honours, was presented at the SCI Canada annual awards dinner Feb. 21.

Three Appointed to Order of Canada

BY AILSA FERGUSON

THREE MEMBERS OF THE university community, an eminent scholar and historian, a member of Governing Council and a man who had a major impact on music in Canada, were among the 98 distinguished Canadians to receive this country's highest honour for lifetime achievement — appointment to the Order of Canada.

Father James McConica, president of the Pontifical Institute of Mediaeval Studies, and Bob Rae, a member of Governing Council, were appointed officers of the order while Professor Emeritus, Ezra Schabas of the Faculty of Music was named a member. The appointments were announced Feb. 14.

With more than 50 historical studies to his credit, including a sensitive portrayal of Thomas More, McConica is a recognized expert in the medieval renaissance and reformation periods. Notably he edited and interpreted the *Collected Works of Erasmus* and *The History of the University of Oxford*. "He is a classic humanist," the citation states, "whose influence resonates throughout academic circles in Canada and abroad."

Cited as "devoted to his country," Rae has served at both the federal and provincial levels and as leader of Ontario's New Democratic Party and premier. Currently a member of the Tribunal on Internal Trade Disputes and the Security and

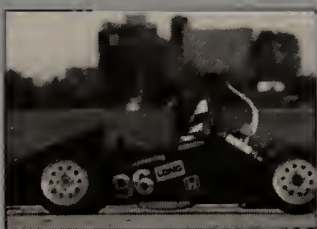
Intelligence Review Committee, his books, articles and lectures on political theory, industrial relations and constitutional and labour law "provoke serious thought about current economic and political realities."

Schabas, a former principal of the Royal Conservatory of Music, was co-founder and first general director of the National Youth Orchestra of Canada. As well his publications on Sir Ernest MacMillan and the Canadian Opera Company are considered to be definitive works. "A distinguished juror and consultant for the past 50 years, he has been a constant source of knowledge, advice and encouragement for young musicians, promoting Canadian musical talent," the citation reads.

ON THE INTERNET

FEATURED SITE

Formula for success



THE ANNUAL FORMULA SAE® competition is an opportunity for engineering students to conceive, design and fabricate a small formula-style racing car. In its second year of competition, the U of T team

finished an impressive eighth out of 104 teams and second in the European event in 2000. Based on a series of criteria including esthetics, high performance (acceleration, braking and handling) and economy (production costs must be less than \$30,000), each prototype vehicle is evaluated as a simulated production item. The vehicles are also subjected to solo performance and high performance track endurance trials. For a detailed breakdown of the U of T car's specs, 2001 competition rules, photo gallery and to hear the Honda CBR F4 engine, zip on over to the Formula SAE® site.

<http://www.ecf.utoronto.ca/~fsae/index.htm>

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U OF T JOB OPPORTUNITIES

www.utoronto.ca/jobopps

If you want your site featured in this space, please contact Audrey Fong, news services officer, at: audrey.fong@utoronto.ca



SITES OF INTEREST

The fine art of medicine

THE TWO-YEAR MASTER OF SCIENCE IN BIOMEDICAL COMMUNICATIONS is an interdisciplinary program that immerses students in the fields of art, science, medicine and communication. This online gallery Web site showcases the ample talent among current students and recent graduates, demonstrating their ability to combine technical skills and creativity in a multimedia environment. Shockwave and Flash Player plug-ins are required.

<http://www.bmc.med.utoronto.ca/BMC/BMCstudentart.html>

ABCs of social science

THIS SOCIAL SCIENCE ONLINE DICTIONARY WAS DEVELOPED BY Athabasca University and the International Consortium for the Advancement of Academic Publications. It has 1,000 entries covering the disciplines of anthropology, sociology, criminology, Canadian studies, political science and women's studies. Initially designed for undergraduate students, the database explains basic concepts and events from a Canadian perspective.

<http://datadump.icaap.org/cgi-bin/glossary/SocialDict/SocialDict>

Climate Research Funded

BY JUDY NOORDERMEER

FIVE ENVIRONMENT RESEARCHERS at U of T have received more than \$1.3 million from the Canadian Foundation for Climate and Atmospheric Sciences (CFCAS) in its inaugural round of grants announced recently. The total represents one-third of the \$3.9 million awarded to 15 projects across the country.

Established through a one-time grant of \$60 million from the government of Canada last year, CFCAS funds research in the areas of climate change, extreme weather, air quality and marine environmental prediction.

Physics professor Kent Moore received the largest grant at U of T — \$456,000 over three years — to study the southwestern Ontario phenomenon of lake-effect snowstorms. These snowstorms are narrow five- to 10-kilometre bands of

intense blizzard conditions that form in the shadow of the Great Lakes as a result of the temperature difference between the lake and ground surfaces, said Moore. "If you're stuck in one of those bands, it's really lousy," he said. The trouble is, they pose a huge forecasting problem because they are so narrow, he added.

Working with Environment Canada, Moore will study these snowstorms in progress — taking aircraft over the Great Lakes during their formation to measure the type and intensity of the snow and to measure the flux of heat and moisture off the lake. Combining these results with data from Doppler radar, Moore hopes to develop better models for forecasting the storms.

Most of their research will likely take place on Georgian Bay and along Highway 400 because it is so "heavily travelled" and it can be "really bad, very, very quickly," Moore said. "It's important to get

an accurate estimation of when the snow is going to start and where it is" so sanders and snowplows can get out on the road.

The funding will allow Moore to hire three young researchers to help conduct the study and analyse the results.

Other CFCAS first-round grants went to: Professors Jonathan Abbatt (chemistry), \$260,000 over three years to study the impact of atmospheric aerosol particles on cloud formation and global climate change; Jing Chen (geography), \$148,160 over two years to look at improved techniques for measuring terrestrial carbon balance; Kimberly Strong (physics), \$225,000 over three years to study Arctic ozone loss and its link to climate change; Frank Wania (chemistry, U of T at Scarborough), \$280,000 over three years to study how deciduous forests absorb air pollutants such as PCBs.

Pension Group Formed

BY JUDY NOORDERMEER

RETIRED FACULTY AND librarians have established an association to advocate for improved pensions and benefits from the University of Toronto.

In a lively meeting attended by close to 100 retirees last week, the Retired Academics and Librarians of the University of Toronto (RALUT) was voted into existence. RALUT, with a 14-member executive committee of retirees from constituencies across campus, will represent the "bread and butter concerns" of its members and help them get a "fair deal from the university," said committee president Peter Russell.

At issue is a pension surplus developed over the last 10 years at U of T estimated at more than

\$350 million. "Retirees are saying, Just as a matter of fairness and equity, if we helped build that up, a portion of it is surely due to us," said Russell, a retired professor of political science.

Pension improvements for retirees are part of the confidential negotiations under way between the university and the U of T Faculty Association. "UTFA is carrying the ball," acknowledged Russell, adding, "we want to make sure they know, loud and clear, what the retirees are after and what they think is a fair deal."

For its part, UTFA is also representing active faculty members and librarians in the negotiations and one of its challenges will be to reconcile a variety of claims on the surplus. The creation of RALUT comes as no surprise to UTFA

president Rhonda Love, however, who cited similar organizations at several other universities. She said she would be meeting with Russell "very soon to discuss relationships between UTFA and the new organization."

While saying he welcomed the formation of RALUT and looked forward to meeting with them "to explore ways in which we can develop a mutually beneficial relationship," Professor Michael Finlayson, vice-president (administration and human resources), added, "I am unclear about who might in the future actually speak for retired faculty and librarians — the faculty association or this new association. That's a question mark."

Russell expects up to 500 signed RALUT memberships by the end of the month.

Morgan Wins Moss

BY JAMIE HARRISON

A 22-YEAR-OLD HISTORY AND international relations student from Trinity College has been awarded the University of Toronto's most prestigious scholarship.

"I still feel the same way as I did when I first heard the news," said Mike Morgan, who won the \$12,000 John H. Moss Scholarship for 2001, a prize given to exceptional third- and fourth-year students. "It's all a bit surreal. Intellectually I understand what has happened but I still don't quite comprehend it. It's something you always expect to happen to someone else."

A straight-A student, Morgan has a schedule packed with extracurricular activities, both at the university and in the community. At U of T, the majority of his involvement is split between Hart House and Trinity College. He serves on Hart House's board of stewards and budget and library committees, while at Trinity he's

involved with the dramatic society, college senate and the community affairs committee. He is also on the Trinity basketball team and the U of T rugby team.

Morgan was praised by history professor Robert Bothwell in his citation. "Mike may well be our best student in the International Relations Program," Bothwell



Mike Morgan

wrote. "He is one of the best read and best spoken undergraduates I have ever met. This is the kind of student that one sees, on the average, about once a decade."

At the Gerrard Kiwanis Club in Toronto's Regent Park, a community with a high number of new immigrants, Morgan volunteers with Words, Actions, Thoughts, Character and Heart U of T, a university mentoring program for area children. He and his fellow volunteers help children with homework and participate in recreational activities such as basketball.

Margaret Hancock, warden of Hart House, is impressed by his maturity in dealing with children. "Mike recognizes the responsibility inherent in befriending children," she said. "He has made a significant difference in the lives of several children by sharing with them his gentle, affirming manner and his academic tutoring skills. He is a superb role model and mentor."

BALMY BERMUDA



Old Maid's Lane (1934) by Jack Bush will be part of an exhibition of works by artists who have visited and painted in Bermuda. Bermuda Palms to Northern Pines: Two Centuries of Art Inspired by Bermuda will open March 15 at the U of T Art Centre and run until Aug. 3.

REPRODUCED COURTESY OF JACK BUSH ESTATE

Scientists Trace Melting Ice Caps

BY JANET WONG

THE EARTH'S SEA LEVELS ARE being directly affected by global climate change and several scientists at U of T have the "fingerprints" of melting polar ice sheets to prove it.

Rates of sea level change over the last century vary widely from one geographic location to another even after these rates have been corrected for known effects. The question is why? What is causing these significant variations?

U of T geophysics professor Jerry Mitrovica and post-doctoral fellow Mark Tamisiea say they have discovered the answer. And it is an answer that has an important impact on the debate over global climate change.

Mitrovica and Tamisiea argue that scientists have not widely appreciated that melting from the Antarctic, for example, will have a distinctly different pattern or fingerprint in how it affects sea level than melting from Greenland or small mountain glaciers. It is these patterns that are causing the variation in the global sea level rise.

Their findings were published in last week's issue of *Nature*.

"We calculated these fingerprints using computer models and then showed that the observed record of sea level change displays the fingerprints," said Mitrovica, lead author of the paper. "Sea level is rising, and based on our work and the analysis of sea level data, not only can we assess the total amount melting from the ice caps but we can also tell where that meltwater is coming from."

"In the past, people have been puzzled by the significant variations in sea levels in different parts of the world," he added. "Like throwing water in a bathtub, many

scientists assumed that if polar ice melting were contributing to sea level rise, it would present itself evenly and uniformly across the Earth's oceans."

And that assumption, he says, is simply wrong.

Mitrovica uses Greenland as an example. It was assumed that if the ice caps on Greenland were melting, all coastal locations would flood evenly. In fact, places relatively close by, like Britain and Newfoundland, would see sea levels fall. The reason is simple: despite its small size, the Greenland ice sheet exerts a strong gravitational pull on the seas. As the polar sheet melts, it exerts less pull, resulting in lower — not higher — sea levels around Greenland. However, sea levels will rise on average and as the meltwater moves away from Greenland it will create problems for countries in the Southern Hemisphere. In the same way, melting from the Antarctic will raise sea levels in the Northern Hemisphere, but not, he added, in places like Australia.

"We've really strengthened the link between today's sea level changes and ice melting and we've found a way of unravelling the details of this link," he said. "By doing that, we've also strengthened extrapolations being made for the future effect of climate warming. And these extrapolations show continued acceleration of sea level rise late into the present century, leading to more flooding of coastal communities."

This study was funded by the Ontario Premier's Research Excellence Award program, the Canadian Institute for Advanced Research and the Natural Sciences and Engineering Research Council of Canada.

Hart House Happenings

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SPECIAL EVENTS

Call 978-2452
Sunday Concert - Pionist, Abbey Simon, Sun. Mar. 11 at 3pm in the Great Hall.
2001 Murder Mystery Evening - "Who Killed Elvis Presley?" Fri. Apr. 27. Reception 7 p.m. Buffet dinner, 8 p.m. in the Great Hall. Call 978-5363 for more information.

ART

Call 978-8398
The Justina M. Barnicke Gallery - "Burton: Twenty Years 1980-2000" and David Rokeby's "Shock Absorber" runs until Thurs. Mar. 1. Hart House Camera Competition and 79th Annual Exhibition of Photographs opens Wed. Mar. 7 at 7pm. Runs to Apr. 5.
Arbor Room - Laurie Kallits - "Tree Mopping", Feb. 26-Mar. 24.
Pleasures of Flesh - "Skin Deep Art", Thurs. Mar. 1 at 7pm.

LIBRARY

Call 978-5362
Writuals Literary Pub hosted by Ray Hsu, launches "Broken Pencil #15 with Hal Niedzwiecki, Chris Rickett, Audrey Gagnon, Michelle Cross, Judy MacDonald, and Justin Rutledge, Wed. Feb. 28 at 8pm. Info: editor@brokenpencil.com

MUSIC

Call 978-2452 - All concerts are FREE!
Jazz at Oscars - The Hart House Jazz Choir, Fri. Mar. 2 and the 11 O'clock Jazz Orchestra both at 8:30pm in the Arbor Room. Licensed. No cover.
Spring Recitals - Flutist, Leah Eddy performs on Tue. Feb. 27 and cellist, Tanya Eli, performs on Tue. Mar. 6 at 8pm in the Music Room.
Midday Mosaics - The Gypsy Ghost Trio, Thurs. Mar. 1. Maki Lisaka, Catherine Sulem, and Barry Craig on Thurs. Mar. 8. Both at 12noon in the Music Room. FREE. All welcome.
From the Hart presents Open Stage with host, Philomene Hoffman, Thurs. Mar. 1 at 8pm in the Arbor Room. Sign up at 7:30pm. Info: 416 978-5362.
Worlds of Music - Radlo Nomad plays the sounds of Africa with a modern groove with Sudanese musician, Wateed Abdulhamid, Thurs. Mar. 8 at 8:30pm in the Arbor Room. Licensed. No Cover. All welcome.

CLUBS & COMMITTEES

Call 978-2452
Camera - Submission deadline for Annual Exhibition of Photographs is 12noon, Fri. Mar. 2. Entry forms and contest regulations of the Hart Porters' Desk.
Drama - Submission deadline for One-Act Playwriting Contest is Thurs. Mar. 1. See Hart Porters for rules. Join us for trip to see "Wil", Canadian Stage Co. Meet at 6:30pm at Blumo Appel Theatre. Play reading of Kevin Leonard's "Adult Accompaniment", Thurs. Mar. 8 at 7pm. Call 978-6315 for more information.
Farm - "Sugaring Off", Sat. Mar. 24 for members and guests (some restrictions apply). Advance tickets to Thurs. Mar. 22: with bus \$21 or \$18 without. Families and children welcome. For details call 978-2447.
Film Board invites you to "Show Your Shorts" of their Gala Screening and Competition, Thurs. Mar. 15 at 7pm. Deadline for submissions is 5pm, Thurs. Mar. 1. For details see Web site: hhtb.co.utoronto.co

ATHLETICS

CALL 978-2447
Conscious Minds for a Great Future - Free seminar on stress relief, and Vipassana meditation with Pam Dillon, M.Ed. Meditation teacher, Thurs. Mar. 1, 7-9pm. Pre-register at Membership Services Office by 7pm, Wed. Feb. 28.
Ski Day at Blue Mountain - Fri. Mar. 9, 7am-6:30pm. \$37 by Fri. Feb. 23 or \$42 offer. Registration deadline Fri. Mar. 2. Register at Membership Services Office. Call 978-2447 for more information.
Coventry Cup Squash Tournament - Mar. 16 and 17 at Athletic Centre courts. Men's and Women's Beginner Intermediate entry fee: \$18. Register in Membership Services Office of Hart House or of the Athletics Centre.

HART HOUSE

UNIVERSITY OF TORONTO

Law School Probed

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they had misrepresented their grades. To protect the reputations of the majority of the 170 first-year students who were not involved, the law school's faculty council passed a resolution to issue official reports of first-term test results for this year only and to make them available to any first-year student who wished to confirm his or her grades to prospective employers.

Toronto law firms conducting student interviews were advised about the existence of the official reports.

In the first phase of the student investigation process, each of the students is participating in a confidential meeting conducted by a designated faculty member to discuss the matter and explain the discrepancy. The terms of reference are being developed for the three-member committee appointed by

the provost's office.

"These are not disciplinary procedures," said Gooch of the preliminary investigations, "and this is not a process to determine guilt or innocence. Rather, the investigations are to get at the facts in the face of differing accounts of what happened. Only on the basis of a full and factual report can the allegations be assessed and the rumours be put to rest."

Deans Appointed

~ Continued From Page 1 ~

Emory in 1993 she was a faculty member at the University of Arizona and the University of California at San Francisco.

Affonso's research in women's health, particularly her long-term studies on caesarean childbirth, postpartum depression and prenatal care, has influenced policy in the United States and elsewhere. She was a member of the first

advisory council of the National Center of Nursing Research and from 1995 to 1999 was a chartered member of the advisory council of the National Institutes of Health's office of research on women's health. In the 1990s her research on strategies to increase ethnically diverse women's access to prenatal care received national attention and became a model for American health care reforms.

Affonso has received numerous honours for her contributions to scholarship and policy. In 1993 she was voted National Nurse of the Year by the March of Dimes and in 1994 the American Nurses' Association named her Maternal-Child Nurse of the Year. Most recently she was elected into the National Academy of Sciences' Institute of Medicine.

FACULTY OF ARTS AND SCIENCE JEWISH STUDIES PROGRAM

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mark tewksbury
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After winning the gold medal in 1992 Olympics, Mark Tewksbury was named the winner of the Lou Marsh Trophy and the Lionel Conacher Award as the Canadian Press Male Athlete of the Year. He is currently the host of his own weekly television program, How It's Made and a regular contributor the CTV's Canada AM. He is a co-founder of OATH and continues his humanitarian work with the Special Olympics and people living with AIDS.

UofT Staff and Faculty:

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THE NEW BIOLOGISTS

Identifying genes is only the first step; now we have to find out how they function

BY MEGAN EASTON

THE MAP OF THE HUMAN GENOME, considered one of the most ambitious scientific undertakings ever, is almost complete. But the real work is just beginning.

While the identification of about 30,000 human genes is an invaluable body of knowledge for biomedical researchers, it is only the starting point for infinite avenues of inquiry. Armed with this new information, scientists must now figure out what those genes do and how they do it.

"The truly daunting task is to understand the function and characteristics of each of our genes, their intricate relationships and how they work in health and disease states of our body," says University Professor Lap-Chee Tsui of medical genetics and microbiology. Tsui is also geneticist-in-chief at the Hospital for Sick Children and president of the international Human Genome Organization.

This month two groups of researchers, one from the public sector and one from the private, published their first analyses of the working draft of the human genome sequence that was completed last summer. The human genome is a term that refers to all of the DNA contained along the chromosomes in the nucleus of each of the trillions of cells in the human body. The building blocks of DNA are four chemical bases called adenine (A), thymine (T), cytosine (C) and guanine (G) and there are about three billion A,T,C and Gs repeated over and over again in the genome. When these bases are arranged in specific combinations along the chromosomes they form genes and genes contain the instructions for making proteins. Ultimately, it is proteins that control all cell functions in the body.

In essence, the genome project compiled the instruction book for human life by determining the sequence of the billions of A,T,C and Gs using various technologies. If we

imagine the genome project as the creation of a genetic dictionary, says Professor Stephen Scherer of medical genetics and microbiology, the project is now at a stage where there is a rough order of pages with sections of words on each page but there are still words and pages missing. "The exact number and

definition of the words, or genes, are still largely unknown, but there is good progress," says Scherer, associate director of the Centre for Applied Genomics at the Hospital for Sick Children and chair of the Human Genome Mapping Committee of the Human Genome Organization.

Even at this preliminary stage, the project has uncovered some unexpected things about human genetics.

Scientists initially predicted they would find about 100,000 human genes, but the new estimate is only 30,000 to 40,000. This doesn't mean humans are simpler than previously imagined, just that genes are more sophisticated in their operations. And there is a remarkable similarity among all living things — human DNA is 99.9 per cent identical, says Scherer, which contradicts the theory of biological differences among the races.

These are fascinating revelations but genomics researchers are more excited about the discoveries yet to come. "The story that hasn't been told in the media is what happens after the genome," says Professor James

Friesen, chair of the Banting and Best Department of Medical Research. "That is where the University of Toronto, including some of its affiliated research institutes, are very, very strong. It's called all sorts of different things — post-genomics, functional genomics, proteomics — but they are all

linked together by the question, So what is all this DNA doing?"

The human genome is the raw data, says Friesen, who has been a key player in the creation of the soon to be constructed Centre for Cellular and Biomolecular Research (CCBR) and U of T scientists will take a leading role in uncovering its biological insights. By bringing together researchers with a wide variety of expertise

beyond human biology to tackle the secrets of the human genome, he says CCBR will yield a deeper, more holistic understanding of the complex workings of living systems.

Now that the genome sequence is nearing completion the scientific community's focus has shifted dramatically to proteins, the gene products that govern cells' vital functions. Friesen says U of T has a wealth of expertise in the emerging field — proteomics — focused on proteins' structure, function and interactions. Knowing how proteins work will lead to advances in the prevention and treatment of the thousands of diseases that have a genetic component.

"You're really not going to understand disease mechanisms until you understand the underlying biology," explains Friesen, "because in many cases what disease is is the breakdown of normal biological systems." U of T investigators have been early leaders in this area, discovering genes associated with diseases such as cystic fibrosis, Alzheimer's disease, breast cancer and prostate cancer, but the genome sequence should accelerate their progress.

Researchers at CCBR will try to unravel the multi-layered functions of proteins at the molecular level, says Professor Cecil Yip, vice-dean (research) of the Faculty of Medicine. Whether it is designing model systems that can mimic proteins' interactions or observing their operation in living cells using powerful imaging technology, Yip says CCBR's multidisciplinary approach will be integral to advances in proteomics. "The CCBR is more than just a building. It is also a concept, a new way to do research," Yip says. "We expect members of the centre to absorb and exchange ideas between disciplines."

Yip and some of his colleagues involved in this burgeoning field of research call it the New Biology — a biology that encompasses chemistry, physics, math, botany, zoology, engineering and computer science among other disciplines. "The CCBR is a tremendous training opportunity for the next generation of New Biologists," he says.

But this new generation will need more than just expansive scientific knowledge; they will also be faced with the inevitable social and moral implications of the genetics revolution, including questions about the ownership and privacy of genes. Though the details have not been worked out at this early stage, Yip says CCBR researchers will have some connection to scholars addressing these issues at U of T's Joint Centre for Bioethics.



MIKE CARSON, UAB/CBSE

A CENTURY OF BOOKS

U of T Press Celebrates 100 Years

BY MICHAH RYNOR

FROM A MODEST BEGINNING a century ago in the basement of the original U of T library, the University of Toronto Press (UTP) is today ranked the second largest public university press in North America, publishing everything from Canadian art theories to biological studies of butterflies.

"On average, we're winning three to four major publishing awards a year," says George Meadows, president and publisher of the press for the last 10 years. "And because we do our own printing and binding, we can take on projects that we know won't make a profit but are still too important not to publish."

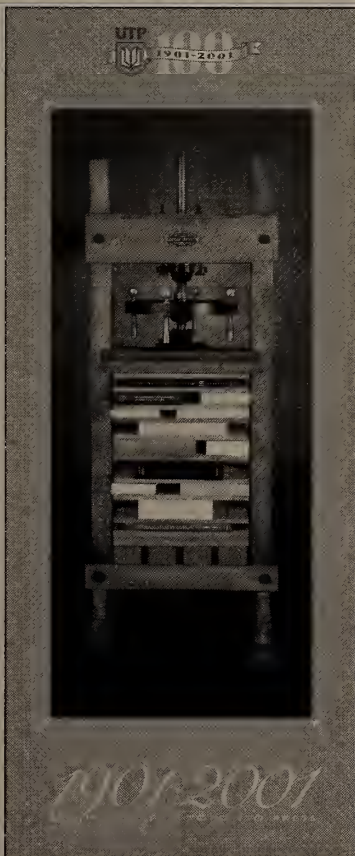
UTP was originally created in March 1901 to supply the campus with exam booklets and course calendars. Since that time, the press has grown in unanticipated ways — even having an impact on society at large, recalls Frances Halpenny, a former editor who joined UTP in 1941.

At the opening of a Robarts Library exhibit illustrating the history of the press, Halpenny remem-

bered one of her early assignments working with R. MacGregor Dawson on his *Government in Canada* (1947) which, amazingly, was only the second comprehensive book ever published on the government of Canada. "The book couldn't be based as a text normally would be on specialized studies of aspects of the subject," she said. "There were none."

Eric Arthur's *Toronto, No Mean City* (1964), showing the relentless destruction of many of the city's most historic buildings, was instrumental in supporting a powerful conservation movement while *The Dictionary of Newfoundland English* (1982) "makes wonderful reading with its abundance of examples of words and usages that render a people's whole life," Halpenny says.

Another very different impact of the press occurred, she says, as a result of the release of Robert Legget's account of the building of the Rideau Waterway in 1955; that book helped create a vibrant tourist industry on the canals.



But getting that UTP stamp on your work is a complex and time-consuming exercise with at least four editors (two of which remain anonymous to the author) reading each manuscript submitted.

Even though the press can edit, publish, distribute and sell a book all under one roof (actually 15 roofs including the seven bookstores on campus that UTP administers, a design studio and a 200,000-square-foot printing facility, a warehouse in Toronto and one in Buffalo) it's still a dicey business.

"We don't make a lot of money doing this," Meadows admits. "And right now, with the Indigo and Chapters merger, two of our major buyers suddenly aren't buying a lot of our books."

It's standard practice for retail stores to send back all unsold books to the publisher and because of the shaky bookselling environment, "we've got returns galore this year which means we're taking a real hit," he says. "But because we have our own retail and printing

divisions running smoothly, we're able to survive."

Survive — and then some — as UTP is now one of the top 20 academic presses in the world, publishing on average 150 books a year. "We're certainly the most important university press in the country because we have the largest publishing list with the widest range of subjects," Meadows explains.

In fact, over the past 10 years, Meadows can't recall one case where UTP was forced to turn down a manuscript because of a lack of funds. He and his staff of close to 300 are especially excited this centenary year because of a number of major projects on the horizon.

A massive, one-volume encyclopedia of Canadian literature is coming out in 2002 along with a much-anticipated history of U of T written by Martin Friedland. Also, a three-volume history of the book in Canada is in the works as is a 25-volume set of classics in Italian literature and culture.

AN IMPORTANT MESSAGE

FOR U OF T SESSIONAL FACULTY

A group of sessionals has begun meeting, for the purpose of forming a union for U of T Sessional Faculty. To assist this endeavour, they have contacted the Canadian Union of Public Employees (CUPE), the union that represents sessionals at many other universities, including York and Ryerson.

Why a union for U of T sessionals?

U of T sessionals lag far behind other – unionized – sessionals in salaries, job security, benefits and academic supports. This, despite the large and increasing volume of teaching performed by this part of the university's teaching staff.

We intend to change that.

To do so, we need your help. At least 40% of all of us must sign a card indicating our interest in a union, before the Ontario Labour Relations Board will conduct a certification vote.

If you would like to sign a card, or want further information, contact Derek Blackadder at (416) 292-3999, 1-800-362-0974, or at dblackadder@cupe.ca



THE GREENING OF U OF T

Recycling takes off on campus — but we can do better

BY SUE TOYE

HOW MUCH GARBAGE DO YOU THINK U OF T'S St. George campus generated last year? One thousand tonnes? Two thousand? More than three thousand?

If you guessed the last one, you're right. The downtown campus produced almost 4,000 tonnes of waste last year. But thanks to one zealous supervisor in U of T's department of waste management, much of it is either reused or recycled.

"Most people aren't aware of how much we can recycle on campus," muses Stan Szwagiel. He rhymes off all the items that his department collects: from obvious items such as bottles, cans and newspapers to seemingly unrecyclable objects such as small batteries. In fact, U of T — the 13th largest employer in Toronto with a downtown campus student and staff population of more than 22,600 — is more efficient at practising the three R's of reuse, reduce and recycle than the city itself. According to Szwagiel, Toronto recycles 20 to 30 per cent whereas U of T's downtown campus is in the 40 to 50 per cent range. The suburban campuses do even better: Mississauga boasts 67 per cent while Scarborough recycled 60 per cent of its waste within the last year.

Szwagiel stresses that the most important R is reduce and the St. George campus has taken this word to heart. It has managed to reduce the amount of unrecycled waste by 65 per cent since the recycling program started in 1991. In recognition of its efforts, the university received the Waste Minimization Award from the Recycling Council of Ontario in 1993. U of T was also one of the first schools in North America to adopt an environmental protection policy; this policy is followed by the university's environmental protection advisory committee (EPAC) of which Szwagiel's group is a part.

Despite the program's success, Szwagiel still sees room for improvement. "Education is key," says Szwagiel emphatically. "We need to tell students and staff what they can do about decreasing waste and keep them participating in our programs." He admits that some people are still unaware of places on campus such as the Swap Shop, which exchanges used books and furniture, and areas where people can drop off used scrap wood or metal. To raise awareness, he created a Web site (www.facilities.utoronto.ca/bldggrou/wasteman/blgrwast.htm), a newsletter entitled *4R* and a brochure with helpful hints on how to decrease the amount of waste people



Recycling supervisor Stan Szwagiel

produce. There are also some 100 environmental volunteer co-ordinators representing faculty and staff with whom Szwagiel can share new information. In return, he listens to their concerns.

Although students and staff may not be aware of some of the recycling programs on campus, they have not been "environmental couch potatoes" either. The Campus Chaplains' Association recently held a conference at Hart House entitled *Green Dreams: Exploring Environmental Commitments in the Real World*. Students from disciplines ranging from English to religious studies met to listen to speakers and come up with ideas on how to improve the environment. (See inset.)

Another group of undergraduate students in environmental studies is using findings from last year's Toronto environmental task force to evaluate how well U of T scores on a number of issues from water management to public education and outreach initiatives.

"We are an educational institution so we need to teach students to be more environmentally aware instead of being so market-driven and consumeristic," argues Cathy Cosentino, a fourth-year environmental studies student.

The students will present these findings in an open house forum in the Earth Sciences Centre in April to which members of EPAC are invited to attend. Marking Environmental Awareness Week, the Students' Administrative Council is also holding activities and events at the St. George and Mississauga campuses from Feb. 26 to March 2. (For further information, see www.utoronto.ca/envstudy/ensu or sac.utoronto.ca.)

While students and staff forge ahead with their own ideas on "greening" U of T, Szwagiel, a U of T astronomy graduate, is looking for innovative ways to make the downtown campus more recycling-friendly. He plans to add fluorescent tube lights, plastic bags and videotape cassettes to the recycling program to reduce the amount of waste cluttering up landfill sites and to encourage coffee drinkers to bring their own mugs instead of using disposable cups. He also started a pilot compost program last August using worms to consume food waste and is conducting a national survey with other universities to assess their recycling programs in comparison to U of T's.

So the next time you throw a piece of paper in the garbage, think of the three R's — and use the other side.

GREEN IDEAS

- Ban use of pesticides and herbicides on campus, donate left-over food to local food banks and have more advanced composting programs.
— *Rob Scherer, religious studies and English literature graduate*
- Bring own mugs for coffee, reduce number of plastic bags by using cloth shopping bags, encourage students to take TTC and get rid of more parking spaces on campus, bring food to campus instead of buying food in styrofoam containers.
— *Robin Walker, resource and environmental management student*

DAVID STREET



Department of Chemistry University of Toronto

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Chair in Inner City Health St. Michael's Hospital, Toronto



St. Michael's Hospital and the University of Toronto invite applications and nominations for The Fondation Baxter and Alma Ricard Chair in Inner City Health. St. Michael's is Canada's leading Catholic academic health science centre, with a major emphasis on teaching and research, and

is fully affiliated with the University of Toronto. One of the Hospital's programs, Inner City Health, provides comprehensive inpatient and ambulatory care, and community outreach to address the needs of the diverse populations of southeast Toronto. A major research focus for St. Michael's Hospital is the Inner City Research Unit. The unit emphasizes health services research, program evaluation, and health promotion, with the mandate to facilitate proactive research that engages the community.

Reporting to the Vice-President, Research of St. Michael's Hospital, the holder of the Chair will facilitate leading-edge research in the Inner City Health Research Unit among the scientists associated with it, as well as with academic colleagues in cognate university departments. This research will address the determinants of health for inner city populations, develop innovative approaches for health promotion and disease prevention, and evaluate the quality and cost of improved health care, especially for disadvantaged populations. The individual who shapes this unique

and challenging position will be a recognized researcher and have attained a stature appropriate to appointment at the University of Toronto with the rank of Professor or Associate Professor. The successful candidate will also possess a record of success in providing leadership, vision, and strategic direction in an area of research relevant to inner city health. The Chair-holder will play a pivotal research role in building strong, collaborative relationships between the Hospital, its many community partners, and the University of Toronto, ensuring that the impact of this research benefits the health of the inner city.

Written applications or nominations for the position should be submitted in confidence to the address below.

The University of Toronto is strongly committed to diversity within its community. The University welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, and others who may add to the diversity of ideas.

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Joint Replacement Surgery Needs Unmet: Study

BY STEVEN DE SOUSA

PATIENTS IN ONTARIO WHO might benefit from joint replacement surgery to ease the burden of severe arthritis are not receiving the procedure, say U of T researchers in a landmark study of clinical severity and patient preference in total joint replacement.

The study, principally funded by the Canadian Institutes of Health Research, examined patients in two distinct areas of the province — Oxford County in southwestern Ontario, which has a high rate of arthroplasty, and East York in the City of Toronto, where the rate is much lower.

Researchers were surprised by their findings because they contradicted assumptions that equate high rates of surgery with procedure overuse. In fact, in the high-rate area of Oxford County, there was a much greater percentage of people needing the arthroplasty — 27 per cent more than in East York. However, the proportion of people willing to undergo total joint replacement surgery was almost two times greater than in the low-rate area. As a result, while there was unmet need for the surgery in both areas, it was significantly higher in the high-rate area.

"We can no longer assume that an

area that has a high rate of utilization of a medical service, in this case arthroplasty, is inappropriately over-using that procedure," said the study's lead author, Professor Gillian Hawker, director of the clinical epidemiology program in the Faculty of Medicine and a rheumatologist at Sunnybrook and Women's College Health Sciences Centre. "Once you take need and willingness into consideration, the area variation is expected."

The researchers contacted all 55-year-olds in the two areas using a three-stage survey technique to estimate the prevalence of moderate to severe arthritis and the willingness of these patients to have total joint replacement. Among those with severe arthritis, only 15 per cent in the high-rate area were definitely willing to undergo arthroplasty — that number fell to nine per cent in the low-rate area. According to the authors, this emphasizes the importance of considering both patients' preferences and surgical indications when evaluating need and appropriateness for surgery.

This study, published in the March issue of *Medical Care*, also received support from the Arthritis Society of Canada, Physicians' Services Inc. Foundation, the Canadian Orthopedic Foundation and the University of Toronto Dean's Fund.



UTFA Presidential Nominations

Nominations for President of the University of Toronto Faculty Association for the next academic year open March 1, 2001. UTFA's constitution requires candidates for President to be nominated by two members of UTFA Council. Members of the Association, however, are invited to suggest names of possible candidates to Council members.

Nomination forms must be returned to the office between 9:00 a.m. on March 1, 2001, and 5:00 p.m. on March 14, 2001. If necessary, an election will be conducted by a mailed ballot of the membership following the nomination period.

Professor Mounir AbouHaidar
Dr. Olga Bakich
Professor Edward Barbeau
Professor Lee Bartel
Professor Kathy Bickmore
Professor J. Richard Blackburn
Professor Kathryn Boschen

Professor Aurel Braun
Professor Adrian Crawford
Dr. Hilary Cunningham
Professor James Estes
Dr. Claude Evans
Mr. Tom Finlay
Professor Jock Galloway
Professor Lloyd Gerson

Dr. Adria Giacca

Professor Bill Graham
Professor Mary Alice Guttman
Professor Sean Hawkins
Professor Robert Imlay
Professor Brad Inwood
Professor Shashi Kant
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Professor Joaquin Kuhn
Professor Lynda Lange
Professor Sharon Lapkin
Professor Marti Latta
Dr. Herenia Lawrence
Dr. Jennifer Levine
Professor Rhonda Love

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Mathematics
Music
OISE/UT
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Pathology, Anatomy
Erindale - Social Sciences
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OISE/UT
Scarborough - Social Science
Dentistry
Victoria University
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Preventive Med. & Biostatistics, Occup. Health &
Environmental Health Unit

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Mr. Robert Mackle
Professor Dennis Magill
Ms Brenda Mallouk
Dr. Tom Mathien
Professor Charles Mims
Professor Dieter Misgeld
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Professor William Nelson
Professor Sheila Neysmith
Mr. Ken Olynik
Ms Judith Poe
Professor John Powell
Dr. Margaret Procter
Professor Magdalene Redekop
Professor Ian Robertson
Ms Helen Rosenthal
Professor Jeffrey Rosenthal
Professor Donald Schwartz
Dr. Ursula Sherman
Professor Anderson Silber
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Professor Elvino Sousa
Ms. Mary-Jo Stevenson
Professor Hamish Stewart
Professor Ian Still
Professor Elaine Toms
Professor Miles Turnbull
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Mr. Kent Weaver
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Physical Education & Health
Vice-President, Grievances
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University College, SCS, SGS, Woodsworth College
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Kiss of the Spider Woman

A scientist studies the deadly mating habits of arachnids

BY JANET WONG

THE FIRST THING YOU NOTICE about Maydianne Andrade is that she loves spiders. Or at least, that's the impression you get as you enter her office.

Aside from the live tarantulas she keeps in her U of T at Scarborough office (in glass aquariums covered by screens, thank you), she also has an assortment of spider accoutrements — large, full colour pictures of black widow spiders on the wall, fuzzy, stuffed spider toys on shelves and a suncatcher whose stained glass pattern reflects a web and spider.

An assistant professor in the Life Sciences Division at Scarborough, Andrade's research deals with the mating practices of the Australian redback spider, a species of the black widow. This conversation is even more appropriate (or macabre) given the day of the interview — St. Valentine's.

However, there's no cute courtship and mating ritual here.



After a courtship period lasting an average of four hours, the much smaller male launches himself into the jaws of the female as they begin to mate, and while they are copulating she begins to eat him.

The process is fascinating to watch. Really. During copulation, the male redback manages to use one of his reproductive organs to

somersault himself and land with the back of his body directly onto the fangs of the female. Due to their unique reproductive biology, redback males are able to transfer sperm while they're being eaten. Andrade even has a movie on her Web site showing just how it's done (<http://www.scar.utoronto.ca/~mandrade/somersault.html>).

Even more startling, the male generally survives the first mating and goes back for more. "They actually survive that copulation, go back to the web, court her again, get back on to do the second copulation, do the somersault again and then she finishes him off the second time," she said.

Andrade came to U of T in July 2000, just after finishing her PhD at Cornell University. She completed her master's degree at U of T at Mississauga and it's there that the black widow spiders first piqued her interest. She says she came upon them accidentally; she'd been more focused on the theories accounting for extreme cases of male mating investment than the spiders themselves.

"Theory predicts that under some circumstances males might be selected to sacrifice themselves. This is the most extreme test of mating system theory in some ways," she explained. "So I was searching for a system where that might be happening to see whether it was an adaptive behaviour for the males and what types of factors had led males to be forced into this type of mating strategy."

From a layperson's point of view, one would think that the individual survival instinct would override the species' need to reproduce. But according to Darwinian evolution,

personal survival is not the be-all and end-all of one's existence, Andrade said.

"Theory says that reproduction is what's driving the evolution of adaptive traits. So what you're being selected to do is develop traits that maximize your lifetime reproductive success. Now in some species that means you're better off living for a long time and reproducing every year; in other species that might mean you're better off having one big burst of reproduction and then die. And that's the case here."

At this point, it's not known if male complicity in their sexual cannibalism is limited to the black widow species. It may be that others just haven't been discovered yet, she suggested. However, it is known that other insects and animals do engage in full investment in reproduction, if not sexual cannibalism.



Professor Maydianne Andrade with one of her deadly charges.

KEN JONES

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GOVERNING COUNCIL ELECTIONS



GRADUATE STUDENT BALLOTS MAILED

During the week of February 19th ballots were mailed to all graduate students. There are elections this year in both constituencies of graduate students - Graduate Student Constituency I for students registered in Divisions I and II of the School of Graduate Studies, and Graduate Student Constituency II for students registered in Divisions III and IV.

If you did not receive a ballot, or if you have questions about your eligibility to use a ballot, please call the Chief Returning Officer at 978-8428.

Ballots must be returned to Room 106, Simcoe Hall by 5 p.m., Tuesday, March 13th, 2001.

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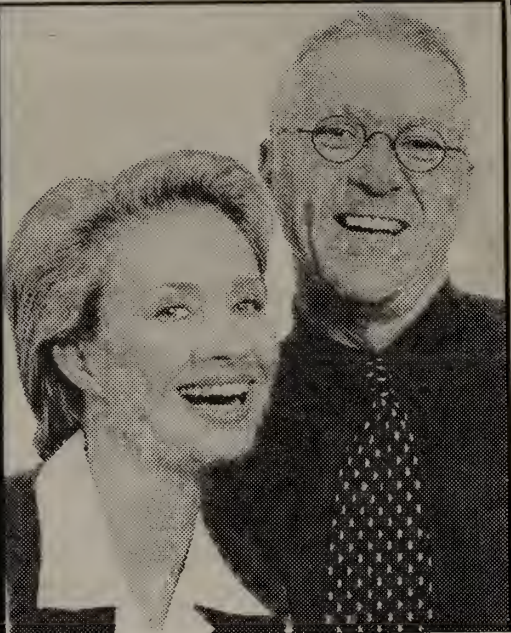
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CAMPUS POLICE COMMUNITY ADVISORY BOARD ST. GEORGE CAMPUS

A Campus Police Community Advisory Board has been set up on the St. George Campus. Advisory to the Assistant Vice-President, Operations & Services, the Board will ensure that Police Services and the Community Safety Officer work effectively in partnership with the University community to provide a safe and secure environment in support of the University's academic mission. The Advisory Board will act as a forum for the Police and Community Safety Officer to seek advice about current and prospective programs. Importantly it will also provide the community with the opportunity to provide feedback on issues of immediate and potential concern.

MEMBERS:	Stephanie Brooks Jackie Isaac Manon Le Paven Janice Oliver Ian Orchard Kimberly Philip Wendy Rolph Paddy Stamp Michael Szego Ann Yeoman	Residence Student, Innis College Faculty of Applied Science & Engineering Association of Part-Time Undergraduate Students AVP, Operations & Services (Chair) Vice-Provost, Students Students' Administrative Council Vice-Dean, Academic, Faculty of Arts & Science Sexual Harassment Officer Graduate Students' Union Dean, New College
ASSESSORS:	Ivan Gottlieb Daniel Hutt Myra Lefkowitz	Director, Admin & Services, Facilities & Services Manager, Campus Police Services Community Safety Coordinator

The Board meets quarterly. Items from the University community for consideration or discussion by the Board may be sent c/o Janice Oliver, AVP Operations & Services, 27 King's College Circle, Room 109 or by e-mail to janice.oliver@utoronto.ca.

Gift Creates High Tech Labs, Programs

GREG WOLFOND, CHAIR OF 724 Solutions Inc. — a Toronto-based Internet infrastructure software company — has donated \$3 million to the University of Toronto for the development of facilities and programs related to wireless information technology.

The department of computer science in the Faculty of Arts and Science plans to use the funds to establish the 724 Solutions Laboratories for Wireless Information Technology in the new Bahen Centre for Information Technology, set to open in 2002. The 724 Solutions Laboratories will contain lab and office space and will allow for collaborative work between U of T researchers and companies like 724 Solutions.

The university also plans to use a portion of Wolfond's donation to establish computer science graduate student fellowships that will help fund eight to 10 Wolfond Scholars studying in areas related to wireless software research.

"This extraordinary commitment from Greg is an important step towards establishing the pre-eminence of the computer science department in the new field of wireless information technology research and developing a leading-edge graduate program in wireless IT," said Professor Eugene Fiume, chair of the department of computer science.

Wolfond founded 724 Solutions in July 1997 and helped take the company public in January 2000 in

what was one of Canada's most successful IPOs in history. 724 Solutions is now a global company that has helped customers like Bank of Montreal offer consumers secure wireless banking and brokerage using digital mobile phones and pagers.

"We've built a tremendous team of talented people pulling from a pool of

very gifted graduates that have come from local universities," Wolfond said. "I am proud of the success we have achieved based on the talent and ingenuity of those people and I want to continue that momentum by helping one of Canada's leading universities capitalize on our success."

724 Solutions is committed to education and has a full-time campus recruitment officer dedicated to attracting the best and the brightest students across the country. Nearly 60 co-operative students from post-secondary institutions across the country have completed work/study terms at 724 Solutions since March 2000.

724 Solutions Inc. is a global provider of Internet infrastructure software that enables the delivery of secure mobile transactions across a wide range of Internet-enabled devices. With dual headquarters in Toronto, Canada, and Austin, Texas, the company has development and sales offices around the world, including Australia, Barbados, Finland, France, Germany, Japan, the Netherlands, Switzerland, the United Kingdom and the United States.

Giving Seen as Investment in Society

BY JAMIE HARRISON

FOR DAVID BOOZ, GIVING BACK to the University of Toronto has become a regular investment, not so much in his own future, but in that of society.

A 1985 B.A.Sc. graduate and program manager of short courses at the Professional Development Centre of the Faculty of Applied Science and Engineering, Booz is a regular donor to various programs. Indeed, he sees his gifts not so much as donations but investments in the future.

"I have been very fortunate that my engineering education has afforded me the opportunity to give something back," he said. "It is only reasonable to share that success."

While a student, Booz enjoyed many aspects of his time at the university, whether at Hart House, the Student Engineering Society or the Lady Godiva Band. He recognized that involvement didn't end once his time at U of T did. Since graduating, he has been a regular donor to the Annual Fund as well as Hart

House and the Faculty of Applied Science and Engineering.

He said the impetus to give is bolstered by government cutbacks to education in recent years — cuts that he believes are detrimental to future prosperity.

"I think more should be going into education, not less," Booz said. "It's very short-sighted and very foolish. Taxes are an investment — you invest in society and it comes back to you in the end."

Like father, like son. Doug Booz, David's father, taught him the importance of supporting worthy organizations. The senior Booz, a 1952 BComm graduate, continues to be actively involved with Hart House, donating both time and money to the St. George campus landmark. The younger Booz says he has always known that he would do what he could to support the organizations that meant so much to him as a student.

"It's never crossed my mind that I wouldn't support the place that supported me."

Junk Food Impairs Brain: Study

BY STEVEN DE SOUSA

MOVE OVER GREEN EGGS AND ham — a diet rich in fat, will mess up what's under your hat, says a study on rats.

U of T researchers at the Baycrest Centre for Geriatric Care have discovered that fat-rich diets are not only bad for your heart, they may also impair essential brain functions like concentration and memory.

The researchers compared the cognitive function of rats on a high-fat diet (similar to what humans consume if they do not eat nutritiously) with rats on lower fat laboratory chow. After three months, the rats on the high-fat diet showed severe impairment on a wide range

of learning and memory tasks relative to those animals that consumed the lower fat diet. The research also showed that giving glucose to the high-fat rats significantly improved their memory.

"Our brain needs glucose — essentially energy — in order to function," said Professor Carol Greenwood of nutritional sciences and one of the authors of the study that appears in the March issue of the journal *Neurobiology of Learning and Memory*. "When glucose metabolism is impeded by saturated fatty acids, it's like clogging the brain and starving it of energy."

Interestingly, say the researchers, glucose injections into the high-fat rats seemed to work selectively on the

hippocampus, the part of the brain that is critical for normal memory function. "But we shouldn't fool ourselves into thinking that glucose from a glass of orange juice is all we need to protect our brains from clogging up from a high-fat diet," added one of the study's co-authors, Professor Gordon Winocur of psychology and a senior scientist at Baycrest's Rotman Research Institute.

The researchers hope these findings will make people reconsider a very popular fad diet that is high in fat and protein and low in carbohydrates. "From a cognitive perspective, that's probably not an ideal diet," said Greenwood, a scientist at Baycrest's Kunin-Lunenfeld Applied Research Unit.

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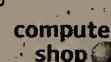
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- Feb. 8 Prof. Shane Williamson (Faculty of Architecture, Landscape, and Design, U of T) Technology & furniture (PAST)
- Feb. 15 Jonathan Grudin, PhD (Microsoft Research) Multimedia research (PAST)
- Feb. 22 READING WEEK (PAST - could be deleted)
- *Mar. 1 David Martin (SMART Technologies Inc.) Interactive surfaces
- Mar. 8 Jim Snyder, PhD (AT&T Labs - Research) Community networks
- Mar. 15 Martin Brooks, PhD (NRC) Videoconferencing
- Mar. 22 Prof. Andrew Dillan (Indiana University) Human-computer interaction
- Mar. 29 Liss Jeffrey, PhD (eLab & McLuhan Program, UofT) Public space online
- Apr. 5 Rodney Hainkes (Immersion Studios) & Prof. Wolfgang Stuerzlinger (York U) Immersion technology & VR
- Apr. 12 Prof. Colin Potts (Georgia Institute of Technology) Feature evolution
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LETTERS



RESEARCH IS ABOUT MORE THAN MONEY

It is for this that I slave for \$18,000 a year at the University of Toronto as a sessional in the department of the study of religion? I ask myself after reading President Robert Birgeneau's address Research at the Frontiers, delivered to the Perigee Forum on Science and Discovery (Research at the Frontiers: What It Is, How It Impacts the Economy and Who Will Do It, Feb. 12).

No hint of the relatedness of "what it is" to ethical dilemmas. No consideration that the wealth of the biotechnological sciences in particular is predicated on the relative poverty of the humanities and how that material poverty "impacts the economy." No meditation on "and who will [not] do it" when all the "scholarly" and

"intellectual" lemmings rush to their enlightened liberation, intoxicated by the siren songs of sleek, charismatic, designer-suited Wall Street.

Is it too much to imagine a university president who would integrate economics and compassion, even as the American Dubya is at least given to speaking of a "compassionate conservatism"? Oxymoronic it may be, but after reading Birgeneau's discursion which relies so heavily on the almighty buck, hypocrisy is looking uncharacteristically attractive.

Robert Birgeneau is the president of Canada's premiere university, might he stop to ponder, or dare I use a non-scientific expression — meditate on — the reality that he leads in part with his words, with his verbally conjured visions.

Now let me make the radical suggestion that science is not only about creating work, admittedly a noble and worthwhile goal, or making a few individuals obscenely wealthy, but that it must also be about serving the population that funds us — the taxpayers. They look to us (or do they anymore?), the university community, for direction; for hope of possible solutions to material, social and spiritual problems; and for the hopelessly old-fashioned idea of integrity. Integrity, perhaps, manifested in an understanding that scientific research at the university, in "science and discovery," ought not be motivated by only economics but also by service.

TAK-LING TERRY WOO
STUDY OF RELIGION

ON THE OTHER HAND

B Y N I C H O L A S P A S H L E Y

KILLER MBAs

BEFORE WE GET STARTED, AN update from the World of Pop Divas. Late last year Celine Dion announced that she would not resume her singing career until a year after her miracle baby. The bad news is that the baby in question was born three weeks early.

But that's not my topic. Last month I discussed the image problem faced by mathematicians, who were seen by an international survey of schoolchildren to be unattractive people with no social skills. This month I turn to yet another image problem that needs fixing. I stroll up St. George Street and find my Bad-Image Meter ticking like crazy as I stand outside the Rotman School of Management. Egad — what sort of people are these?

The business community is beginning to wake up to the way it's being portrayed in the media, and it's not happy. Well, when I say media, I don't include newspapers. The papers I read lionize business leaders, fawning over the likes of Heather and Gerry and Larry and Josef.

No, when I say media, I mean television and movies. According to one study, by the age of 18 an average television viewer will have seen more than 10,000 murders committed by businesspeople. And that doesn't include the news. Businesspeople were more than three times as likely to be criminals than the rest of the population. In the late 1990s, the folks at the Media Research Center in the States watched 863 sitcoms, dramas and made-for-TV movies. (They deserve our sympathy for that alone.) They found that 29.2 per cent of TV crimes were committed by businesspeople compared with only 9.7 per cent committed by career criminals. Lawyers — just to show how out of whack this is — were the perpetrators only one per cent of the time. This study didn't cover the movie industry but the stereotyping seems to be no different on the big screen.

I'm a bit out of my depth here — I watch very



little television and see few movies. My last movie was *Topsy-Turvy*, the story of Gilbert and Sullivan. As I recall, their producer, Richard D'Oyly Carte, was portrayed as astute but far from venal. As for my previous movie, *Shakespeare in Love*, the bard's producer was a much put-upon character and the company's principal investor a star-struck man of commerce who wanted only to grace the stage. I may be seeing the wrong movies.

The MRC television study reveals that big business types are shown as more reprehensible than small business owners. My TV viewing does not support these findings. But my TV viewing is principally Coronation Street on which Norman "Curly" Watts — manager of a branch of the international Freshco grocer chain — is an absolute mug who lets people get away with all sorts of things. Contrast Curly with the vain butcher Fred Elliott, the sociopathic developer Duggie (pronounced Doog-eh) Ferguson and longtime villain Mike Baldwin, manufacturer of ladies' undergarments. Even local newsagent Rita Sullivan is hardly a hero to the chronically underpaid children who rise before dawn to deliver her newspapers.

How is it that businesspeople have become so maligned? According to one TV producer it's because they don't complain. If any other minority group were portrayed as negatively as business figures, the networks would be scolded. Mind you, who owns the networks and movie studios? Businesspeople. Why don't they make films and shows more positive about their ilk? How about a warm and engaging film based on the life of, say, Conrad Black? All right, maybe not.

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Dr. Will Cupchik, Clinical Psychologist. Thirty-five years' counselling experience. Adult, couple, teenage and inter-generational (i.e., adult child and his/her parent) psychotherapies. Self-esteem. Depression. Anger. Loss. Worry. Stress management. Coaching. Heart-healthy lifestyle changes. U of T extended health care benefits partially or totally cover fees. 250 St. Clair Avenue West. 416-928-2262.

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FAMILY MEDIATION: A co-operative process that enables separating couples to develop their own solutions to issues such as custody and support. The reduced conflict has immediate and long-lasting benefit for all parties. Peggy O'Leary, M.Ed., C.Psych. Assoc. 416-324-9444.

Dr. S. Camenietzki, located at Yonge & St. Clair. Provides individual, group and marital sessions. Assessments available. Call: 416-929-7480.

Psychotherapy responsive to your individual needs for personal, relational and spiritual growth. Services may be eligible for employee health insurance coverage and/or income tax deduction. Dr. Carol Musselman, Registered Psychologist, 251 Davenport Road, 416-925-7855.

Adult, Couple, Child Assessment/ Psychotherapy. Depression, anxiety, loss, trauma, relationships. Clinical/psycho-educational assessment of children/adolescents. Evening/weekend appointments available. Benefit coverage for U of T staff. Dr. M. Gholamain, Registered Psychologist. 114 Maitland Street, 416-972-1935, ext. 3328.

Full range of psychological services offered by Dr. K. P. Simmons. Call 416-920-5303 if troubled by trauma, anxiety, depression, phobia or relationship issues. Location:

170 St. George Street, Suite 409 — Medical Arts Building.

REGISTERED MASSAGE THERAPY. For relief of muscle tension, chronic pain and stress. Treatments are part of your extended health care plan. 170 St. George Street (at Bloor). For appointment call Mindy Hsu, B.A., R.M.T. 416-918-8476.

TREATMENT FOR ANXIETY. Cognitive behavioural therapy for general anxiety, panic attacks, anxiety regarding health, anxiety in social situations, anxiety concerning work performance. Dr. Marsha Rothstein, Registered Psychologist, certified member, Academy of Cognitive Therapy. Yonge/St. Clair office. 416-413-4900. U of T extended benefit coverage.

Cognitive therapy for stress, anxiety and depression. U of T staff extended health benefits provide full coverage. Fully or partially covered by most other health plans. Contact: Dr J.A. Shillingford, Registered Psychologist, First Canadian Medical Centre (Adelaide & Bay). 416-368-6787.

MISCELLANY

Hip osteoarthritis sufferers are invited to participate in a study investigating effectiveness of various conservative treatments — NO FEE — 416-256-4849.

For Sale. Teak desk with drawers both sides and bookshelf in back. Size 27" x 60". Excellent condition — \$260. Rugs, grey nylon 10' x 12', excellent condition, \$170 — red nylon, 9' x 12', good condition, \$140. Call 416-233-8450.

Need a special gift? Delight a bibliophilic friend with a gently used book from the U.C. Bookroom, B101 University College Cloisters, noon to 4 p.m. weekdays, or by appointment 416-978-0372. Proceeds support college library.

Oxford History Fellow (U of T '91) Looking to buy gently used U of T PhD robe and hood for spring ceremony. Contact Jacqueline Elton, 416-923-1417 or e-mail to j.elton@sympatico.ca

Lost: One blue Peg Perego stroller — February 14, 2001 — on King's College Circle. If found please call Jane Stirling, 905-277-1048.

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EVENTS



LECTURES

The Hubble Space Telescope Key Project to Measure H₀.

MONDAY, FEBRUARY 26
Wendy Freedman, Observatories of the Carnegie Institution of Washington; Helen Sawyer Hogg distinguished visitor; specialized lecture. 161 University College. 2 p.m. *Astronomy and David Dunlap Observatory*

John Clare's "Natural" Mimicry and Hybrid Poetics.

TUESDAY, FEBRUARY 27
Prof. Theresa Kelley, University of Wisconsin at Madison; Vincent A. De Luca lecture in 19th-century poetry. 140 University College. 4:15 p.m. *English*

The Size and Age of the Universe.

TUESDAY, FEBRUARY 27
Wendy Freedman, Observatories of the Carnegie Institution of Washington; Helen Sawyer Hogg distinguished visitor; lecture for the general public. Auditorium, Medical Sciences Building. 7:30 p.m. *Astronomy and David Dunlap Observatory*

Measurement of Cosmological Parameters.

WEDNESDAY, FEBRUARY 28
Wendy Freedman, Observatories of the Carnegie Institution of Washington; Helen Sawyer Hogg distinguished visitor; specialized lecture. 6 Tanz Neuroscience Building. 2 p.m. *Astronomy and David Dunlap Observatory*

Arthur Evans, the Palace of Minos at Knossos and the Dawn of European Civilization.

WEDNESDAY, FEBRUARY 28
John Papadopoulos, J. Paul Getty Museum, Los Angeles. Lecture Theatre, Royal Ontario Museum. 5:15 p.m. *Archaeological Institute of America, Toronto Society*

European Cybercrime Law and Its Implications for Privacy.

WEDNESDAY, FEBRUARY 28
Stephanie Perrin, ZeroKnowledge; privacy series. 728 Claude T. Bissell Building, 140 St. George St. 7 to 8:30 p.m.

Male Virginity.

THURSDAY, MARCH 1
Prof. Jane Abrey, division of humanities, U of T at Scarborough. Senior Common Room, Burwash Hall, Victoria College. 4:15 p.m. *Reformation & Renaissance Studies and Toronto Renaissance & Reformation Colloquium*

The Abstraction of Personal Qualities in Medieval Letters.

FRIDAY, MARCH 2
Giles Constable, Institute for Advanced Study, Princeton, N.J.; Etienne Gilson lecture. Senate Chamber, Alumni Hall, 121 St. Joseph St. 8 p.m. *PIMS*

Block-Wide Termite Control Is a Reality.

SUNDAY, MARCH 4
Prof. Timothy Myles, Faculty of Forestry. Auditorium, Medical Sciences Building. 3 p.m. *Royal Canadian Institute*

Is Judaism Really Monotheistic?

MONDAY, MARCH 5
Prof. Kenneth Seeskin, Northwestern University, Chicago, 2001 Shoshana Shier distinguished visiting professor in Jewish studies; first of three lectures on

Looking at Judaism Philosophically. 140 University College. 8 p.m. *Jewish Studies*

Understanding Who I Am: Constructions of Women of South Asian Origin.

MONDAY, MARCH 5
Prof. Reva Joshee, OISE/UT; Popular Feminism series. 2nd floor, OISE/UT, 252 Bloor St. W. 8 p.m. *Women's Studies in Education, OISE/UT*

Nautical Archeology and the Phoenicians of Homer.

THURSDAY, MARCH 8
Prof. George Bass, Texas A&M University. 140 University College. 4:15 p.m. *Fine Art*

Myths and Microchips: Culture and Economy in Contemporary Ireland.

THURSDAY, MARCH 8
Fintan O'Toole, *The Irish Times*. Father Madden Hall, Carr Hall, St. Michael's College. 6 p.m. *Celtic Studies*

Convergence, Divergence and Long-Run Trajectories: Economy, Ecology and Politics in China and Europe.

FRIDAY, MARCH 9
Prof. Kenneth Pomeranz, University of California at Irvine. 108N Munk Centre for International Studies. 10 a.m. to noon. *European Studies, Dr. David Chu Program in Asia Pacific Studies, Joint Centre for Asia Pacific Studies and History*

Mars and Tocqueville: How Major Wars Nourished Civic Volunteerism in the United States.

FRIDAY, MARCH 9
Prof. Theda Skocpol, Harvard University. 161 University College. 2 to 4 p.m. *Study of the United States and Political Science*

Trissino's *Sofonisba* and Italian Tragedy in the 16th Century.

MONDAY, MARCH 12
Prof. Salvatore Di Maria, University of Tennessee at Knoxville. 119 Northrop Frye Hall. 4:10 p.m. *Goggio Chair in Italian Studies and Renaissance & Renaissance Studies*

The Beginning of the Torah.

MONDAY, MARCH 12
Prof. Kenneth Seeskin, Northwestern University, Chicago, 2001 Shoshana Shier distinguished visiting professor in Jewish studies; second of three lectures on Looking at Judaism Philosophically. 140 University College. 8 p.m. *Jewish Studies*

What Is a Jesuit Form?

TUESDAY, MARCH 13
Prof. Evonne Levy, fine art. Senior Common Room, Burwash Hall, Victoria College. 4:15 p.m. *Reformation & Renaissance Studies and Toronto Renaissance & Reformation Colloquium*

COLLOQUIA

Culture Ethics and Patient Care.

TUESDAY, FEBRUARY 27
Prof. Kerry Bowman, family and community medicine. Dean's Conference Room, Medical Sciences Building. Noon. *Research Services and Research Office, Faculty of Medicine*

Paper Tigers and Cholera Bacilli: A 19th-Century Italian Debate About Infinitesimals.

WEDNESDAY, FEBRUARY 28
Greg Moore, visiting research associate, IHPST. 323 Old Victoria College. 4 p.m. *IHPST*

Cognitive Influences on Visual Processing: fMRI Studies of Attention and Imagery.

WEDNESDAY, FEBRUARY 28
Prof. Kathy O'Craven, Rotman Research Institute. 2117 Sidney Smith Hall. 4 p.m. *Psychology*

Photonic Band Gap Materials: A Semiconductor for Light.

THURSDAY, MARCH 1
Prof. Sajeev John, physics. 102 McLennan Physical Laboratories. 4:10 p.m. *Physics*

Making Sense and Making Use of Defects in Ultrathin Films.

FRIDAY, MARCH 2
Prof. Bruce Lennox, McGill University. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

Before the Start-ups and Spinoffs: Connaught Labs and Armand-Frappier Institute, 1914-1972.

WEDNESDAY, MARCH 7
Pierrick Mallisard, visiting research fellow, IHPST. 323 Old Victoria College. 4 p.m. *IHPST*

The Mentality of Apes Revisited.

WEDNESDAY, MARCH 7
Prof. Daniel Povinelli, University of Louisiana. 2117 Sidney Smith Hall. 4 p.m. *Psychology*

From the Cold War to the "Science Wars": American Sociology and the Tradition to Post-Fordism.

THURSDAY, MARCH 8
Prof. George Steinmetz, University of Michigan; discussant: Prof. Harriet Friedmann, sociology. Room 240, 725 Spadina Ave. 4 p.m. *Sociology*

Experimental Studies of Internal Gravity Wave Momentum.

THURSDAY, MARCH 8
Timothy Dunkerton, Northwest Research Associates, Washington. 102 McLennan Physical Laboratories. 4:10 p.m. *Physics*



SEMINARS

Crystal Engineering of Adaptive Molecular Frameworks for Functional Materials and Chemical Processes.

WEDNESDAY, FEBRUARY 28
Prof. Mike Ward, University of Minnesota. 116 Wallberg Building. 12:30 p.m. *Chemical Engineering & Applied Chemistry*

Wind Chill: Use and Abuse of a Popular Weather Index.

WEDNESDAY, FEBRUARY 28
Abdel Maarouf, Environment Canada. 2093 Earth Sciences Centre. 4 p.m. *Environmental Studies*

Reactive Intermediate-Mediated Mechanisms of Toxicity.

WEDNESDAY, FEBRUARY 28
Prof. Peter Wells, Faculty of Pharmacy. 4227 Medical Sciences Building. 5 p.m. *Toxicology Student Association, Pharmacology*

Putin, Federalism and the Russian Citizen.

THURSDAY, MARCH 1
Prof. Joan De Bardeleben, Carleton University. 108N Munk Centre for

International Studies. 2 to 4 p.m. *Russian & East European Studies*

Markets, Culture, Power: The Making of a "Second Cultural Revolution" in China.

THURSDAY, MARCH 1
Prof. Arif Dirlik, Duke University. Upper Dining Room, Faculty Club. *Joint Centre for Asia Pacific Studies and Dr. David Chu Program in Asia Pacific Studies*

Metallothionein Expression During Cell Proliferation and Differentiation.

FRIDAY, MARCH 2
Prof. George Cherian, University of Western Ontario. 105 Pharmacy Building. 10 a.m. *Pharmacy*

Democracy and Foreignness: The Foreign Founder in Rousseau, Freud and Girard.

FRIDAY, MARCH 2
Prof. Bonnie Honig, Northwestern University. 3050 Sidney Smith Hall. 2 to 4 p.m. *Political Science and Law & Feminism Workshop*

Long-Term Studies of Geometrid Caterpillars on Birch: Plant Chemistry to Insect Population Dynamics.

FRIDAY, MARCH 2
Prof. Erkki Haulioja, University of Turku, Finland. B142 Earth Sciences Centre. 3 p.m. *Botany*

A Fitting Conclusion? The Revolution of 1905 in Southern Ukraine.

FRIDAY, MARCH 2
Prof. Leonard Friesen, Wilfrid Laurier University. 256 University College. 4 p.m. *Canadian Institute of Ukrainian Studies*

From Medicare to Homecare: The Crisis at Canada's Health Care Frontier.

MONDAY, MARCH 5
Prof. Paul Williams, health administration. Conference Room, 222 College St. Noon to 1:30 p.m. *Human Development, Life Course & Aging*

Credibility: The Cornerstone of "Five C" Leadership.

MONDAY, MARCH 5
Prof. Jim Weese, University of Windsor. 307 Benson Building. 4 p.m. *Physical Education & Health*

The Myth of the Besieged Fortress and Its Public Perception: Soviet Russia During the 1920s and 1930s.

MONDAY, MARCH 5
Ola Velikanova, Centre for Russian & East European Studies. 14352 Robarts Library. 7 to 9 p.m. *Russian & East European Studies*

Tumorigenesis and Aging Phenotypes in p53 Mutant Mice.

TUESDAY, MARCH 6
Prof. Lawrence Donehower, Baylor College of Medicine, Texas. 105 Pharmacy Building. 3 p.m. *Pharmacy and Division of Hematology/Oncology, Hospital for Sick Children*

Between Poland, Ukraine and Russia: Father Volodymyr Terletskyi and the Mid-19th Century Search for a National Religious Idea.

TUESDAY, MARCH 6
Ostap Sereda, Central European University. 14352 Robarts Library. 4 to 6 p.m. *Russian & East European Studies*

Flow Assurance in Deep Off-Shore Oil and Gas Fields.

WEDNESDAY, MARCH 7

Lloyd Brown, Conoco, U.S. 116 Wallberg Building. 12:30 p.m. *Chemical Engineering & Applied Chemistry*

Environmental Exposure During Perinatal Development: Methods of Dose Estimation.

WEDNESDAY, MARCH 7
Kristen McMartin, PhD candidate, pharmacology. 4227 Medical Sciences Building. 5 p.m. *Pharmacology*

Intrinsic Signals in Imaging of Activity in Auditory Cortex.

THURSDAY, MARCH 8
Prof. Robert Harrison, otolaryngology. 3231 Medical Sciences Building. 4 p.m. *Physiology*

Convergence, Divergence and Long-Run Trajectories: Economy, Ecology and Politics in China and Europe.

FRIDAY, MARCH 9
Prof. Kenneth Pomeranz, University of California at Irvine. 108N Munk Centre for International Studies. 10 a.m. to noon. *York-U of T Institute of European Studies, Dr. David Chu Program in Asia Pacific Studies, Joint Centre for Asia Pacific Studies and History*

Smooth Muscle Cell Migration and Matrix Metalloproteinase Synthesis After Arterial Injury.

MONDAY, MARCH 12
Prof. Michelle Bendeck, laboratory medicine and pathobiology. 2172 Medical Sciences Building. 4 p.m. *Laboratory Medicine & Pathobiology*



MEETINGS & CONFERENCES

Planning & Budget Committee.

TUESDAY, FEBRUARY 27
Council Chamber, Simcoe Hall. 5 p.m.

Mystics, Visions and Miracles.

FRIDAY, MARCH 2 AND SATURDAY, MARCH 3
A St. Michael's College symposium. All sessions in the Charbonnel Lounge, St. Michael's College.

FRIDAY, MARCH 2

Keynote address: The Mystical Experience Between Play and Folly, Giovanni Pozzi, University of Fribourg, Switzerland. 9:30 a.m.

Session I.

John Paul II, Mystics and Society, Giulio Silano, St. Michael's College; Theology and the Communion of Saints, Christophe Potworowski, Concordia University; Remembering the Mystic in Dwelling, Igrid Leman Stefanovic, St. Michael's College; chaired by Domenico Pietropaolo. 11 a.m. to 12:30 p.m.

Session II.

Mystic Writings as Literature, Francesco Guardiani, St. Michael's College; The Language of Ecstasy: Metaphors of Transformation in the *Classic of Mountains and Waters*, Alison Marshall, Brandon University; Representation of the "False Preacher" in Early American Novel, Janusz Przychodzen, U of T; chaired by Isabelle Cochelin. 2:30 to 4 p.m.

Session III.

Ascertaining Women's Contribution to Sacred Oratory in the Late Middle Ages, Maria Esposito Frank, University of Hartford; Knowing Delight: Gertrude the Great's Spiritual Exercises, Nada Conic, Regis College; The Vision of

EVENTS

Light and the Icon of the Transfiguration in the 14th Century, Andreas Andreopoulos, Pontifical Institute of Mediaeval Studies; chaired by Manuela Scarci. 4:30 to 6 p.m.

SATURDAY, MARCH 3

Session IV.
Science and Theology: Galileo and Bellarmine, Giuseppe Mazzotta, Yale University; Thomas Aquinas' Miracles and Visions, Joe Goering, U of T; chaired by Olga Pugliese. 10 to 11 a.m.

Session V.
Transcendence From Below: The Case of Vico and Nietzsche, Joe Gonda, York University; Miracles, Saints and Latin Christianity, John Simpson, U of T; chaired by Elmar Kremer. 11:30 a.m. to 12:30 p.m.

Session VI.
Medical Miracles: Absence and Prevalence in Our Recent Past, Jacalyn Duffin, Queen's University; The Appearance of the Physician-Apostle in Fliric's Life of St. Agatha: Testing the Midst of Torture? Pauline Thompson, U of T; chaired by Guy Trudel. 2:30 to 3:30 p.m.

Session VII.
Love, Understanding and the Mystical Knowledge of God, Bob Sweetman, Institute of Christian Studies, Toronto; St. Francis of Assisi and the New Cosmology, Stephen Bede Scharper, U of T; chaired by Konrad Eisenbichler. 4 to 5 p.m. Information: www.utoronto.ca/strikes/intro/symposium.html.

Committee on Academic Policy & Programs.

WEDNESDAY, MARCH 7
Council Chamber, Simcoe Hall. 4:10 p.m.

Governing Council.

THURSDAY, MARCH 8
Council Chamber, Simcoe Hall. 4:30 p.m.

Reinventing Society in a Changing Global Economy.

THURSDAY, MARCH 8 TO
SATURDAY, MARCH 10
All sessions in the auditorium, Medical Sciences Building.

THURSDAY, MARCH 8

Keynote address, Rediscovering Democracy, Reinventing Globalization, John Ralston Saul. 8 p.m.

FRIDAY, MARCH 9

Session 1: International Relations and the Impact of Changing Global Inequality, Louis Pauly, U of T; Roberto Patricio Korzeniewica, University of Maryland; and Andre Drainville, Laval University.

Session 2: Labour Relations and the Impact of Changing Labour Market Inequality, François Nielsen, University of North Carolina; James Rinehart, University of Western Ontario; and Lowell Turner, Cornell University.

Session 3: Culture and Social Values in the Changing Global Economy, Ronald Inglehart, University of Michigan; Axel van den Berg, McGill University; and Peter Beyer, University of Ottawa. 9:30 a.m. to 5:30 p.m.

SATURDAY, MARCH 10

Session 4: Information and Knowledge Institutions in the New Economic Environment, Thomas Schott, University of Pittsburgh; Frank Webster, University of Birmingham; and Sheila Slaughter, University of Arizona.

Session 5: Nationalism and Migration, Ethnicity and Language, Stephen Castles, University of Oxford; Jeffrey Reitz, U of T; and John Hall, McGill University.

Session 6: Politics and Democratic

Representation in the Changing Global Economy, Jane Jenson, University of Montreal; Albert Breton, U of T; and Francis Castles, University of Edinburgh. 9:30 a.m. to 5:30 p.m. Registration fee: \$200, faculty \$25, students free. Further details available at www.utoronto.ca/ethnicstudies; e-mail reinventing.society@utoronto.ca; phone 416-978-4783.

Planning & Budget Committee.

TUESDAY, MARCH 13
Council Chamber, Simcoe Hall. 5 p.m.



MUSIC

FACULTY OF MUSIC EDWARD JOHNSON BUILDING

Percussion Ensembles.

TUESDAY, FEBRUARY 17
Robin Engelman, director. Walter Hall. 8 p.m.

Thursday Noon Series.

THURSDAY, MARCH 1
Music and Poetry: readings from poems by Dylan Thomas. Matthew Leigh, baritone; John Hawkins, piano and conductor; instrumental ensemble; Eric Donville, commentator. Walter Hall. 12:10 p.m.

World of Music Series.

FRIDAY, MARCH 2
Lothar Klein: Music for Voices, Harps and Drums; Percussion Ensemble, Robin Engelman, director; Women's Chorus, Doreen Rao, director; Monica Whicher, soprano; Joel Katz, bass; Jacques Israelievitch, violin; Erica Goodman, Sanya Eng, harps; Gary Kulesha, conductor. Victoria College Chapel. 8 p.m.

Choral Music on Campus.

SATURDAY, MARCH 3
Artists in Song II; MacMillan Singers, Doreen Rao, conductor. Victoria College Chapel. 8 p.m. Tickets \$12, students and seniors \$6.

Small Jazz Ensembles.

WEDNESDAY, MARCH 7
Favourite standards and student arrangements and compositions. Walter Hall. 8:30 p.m.

U of T Chamber Orchestra.

THURSDAY, MARCH 8
Raffi Armenian, music director and conductor. Walter Hall. 8 p.m. Tickets \$12, students and seniors \$6.

Opera Series.

FRIDAYS AND SATURDAYS,
MARCH 9 TO MARCH 17
Rameau: *Prologue to Castor et Pollux*; Ravel: *L'enfant et les sortilèges*. Stephen Ralls, conductor; Michael Patrick Albano, director. 8 p.m. Tickets \$25, students and seniors \$15.

PLAYS & READINGS

All's Well That Ends Well.

THURSDAY, MARCH 8 TO
SATURDAY, MARCH 10;
WEDNESDAY, MARCH 14 TO
SATURDAY, MARCH 17
By William Shakespeare; directed by Mimi Mekler. Theatre Erindale production. Erindale Studio Theatre, U of T at Mississauga. Performances at 7:30 p.m. Wednesday and Thursday; Friday and Saturday 8 p.m.; final Saturday matinee 2 p.m. Tickets \$10, students and seniors \$7, Wednesday, Thursday and Saturday matinee; Friday and Saturday \$12, students and seniors \$8. Box office: 905-569-4369.



EXHIBITIONS

ROBARTS LIBRARY U of T Press 100th Anniversary.

TO FEBRUARY 28
Samples of books published by U of T Press over the past 100 years. 2nd floor. Hours: Monday to Friday, 8:30 a.m. to midnight; Saturday, 9 a.m. to 10 p.m.; Sunday, 1 to 10 p.m.

JUSTINA M. BARNICKE GALLERY HART HOUSE

TO MARCH 1
Bertram: 20 Years, 1980-2000.
Ed Bertram, engravings and etchings. East Gallery.

Shock Absorber: New Eyes for TV.

David Rokeby, interactive sound and video installation. West Gallery. Gallery hours: Monday to Friday, 11 a.m. to 7 p.m.; Saturday and Sunday, 1 to 4 p.m.

THOMAS FISHER RARE BOOK LIBRARY Book History and Print Culture:

A Celebration of the
Collaborative Program at the
University of Toronto.
FEBRUARY 26 TO MAY 25
Exhibition illustrates various aspects of book history from the manuscript tradition to the present day. Hours: Monday to Friday, 9 a.m. to 5 p.m.



MISCELLANY

A Parent's Guide to the Internet
WEDNESDAY, FEBRUARY 28
This workshop offers some tips, advice

and suggestions for parents concerned about their children and cybersafety. U of T at Scarborough. Noon. Registration: 416-978-0951; family.care@utoronto.ca.

Sex, Speech and the Supreme Court: A Panel Discussion on Little Sister's and R v. Sharpe.

THURSDAY, MARCH 1
Panel members: Karen Busby, University of Manitoba; Mariana Valverde, Centre of Criminology; and David Schneiderman and Brenda Cossman, Faculty of Law. Flavelle House, Faculty of Law, 78 Queen's Park. 4 to 6 p.m. *Law and Criminology*

"So near grows Death to Life, whate'er Resurrection is?"

FRIDAY, MARCH 2
Janet Ritch, fellow, Northrop Frye Centre and CRRS; Friday workshop. 205 Northrop Frye Hall, Victoria College. 3:15 p.m. *Reformation & Renaissance Studies*

Mathematical and Statistical Software InfoSession.

TUESDAY, MARCH 6
Demonstration day includes a showcase of the most recent tools available on the market and an opportunity for visitors to meet representatives from a number of

software companies; lecture presentations throughout the day. Resource Centre for Academic Technology, 4th floor, Robarts Library. 11 a.m. to 4 p.m. Information: www.utoronto.ca/cat, cat.info@utoronto.ca or 416-946-5597. *Resource Centre for Academic Technology*

What Is a Cool Career?

THURSDAY, MARCH 8
Speakers from the travel, arts, television and media industries. Innis College Town Hall. 6 p.m. Information: www.sac.utoronto.ca; registration: www.careers.utoronto.ca SAC, APUS and Career Centre



DEADLINES

Please note that information for Events listings must be received in writing at The Bulletin offices, 21 King's College Circle, by the following times:

Issue of March 12, for events taking place March 12 to March 26: MONDAY, FEBRUARY 26.

UNIVERSITY OF TORONTO

THE BULLETIN

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COMMITTEES

The Bulletin regularly publishes the terms of reference and membership of committees.
The deadline for submissions is Monday, two weeks prior to publication.

SEARCH

CHAIR, DEPARTMENT OF ADULT EDUCATION, COMMUNITY DEVELOPMENT AND COUNSELLING PSYCHOLOGY, OISE/UT
A search committee has been established to recommend a chair of the department of adult education, community development and counselling psychology at the Ontario Institute for Studies in Education of the University of Toronto effective July 1. Members are: Professor Michael Fullan, dean, OISE/UT (chair); Professors Mary Alice Guttman, Niva Piran, Jack Quarter and Daniel Schugurensky, adult education, community development and counselling psychology; Susan Howson, associate dean, Division II, School of Graduate Studies; and Mary Louise Arnold, human development and applied psychology; and Pat Durish and Anif Shujah, students, and Amelia Nanni, administrative staff, adult education, community development and counselling psychology.
The committee would appreciate receiving nominations and comments by March 5 from interested members

of the university community. These should be submitted to Dean Michael Fullan, Room 12-128, OISE/UT, 252 Bloor St. W.

CHAIR, DEPARTMENT OF CURRICULUM, TEACHING AND LEARNING, OISE/UT
A search committee has been established to recommend a chair of the department of curriculum, teaching and learning at the Ontario Institute for Studies in Education of the University of Toronto effective July 1. Members are: Professor Michael Fullan, dean, OISE/UT (chair); Professors Clare Kosnik, Robert Morgan, Erminia Pedretti and Merrill Swain, curriculum, teaching and learning; Susan Howson, associate dean, Division II, School of Graduate Studies; and Nina Bascia, theory and policy studies in education; and Janet Devadason and Isha Decoito, students, and Catherine Welch-Robertson, administrative staff, curriculum, teaching and learning.

The committee would appreciate receiving nominations and comments by March 5 from interested members of the university community. These

should be submitted to Dean Michael Fullan, Room 12-128, OISE/UT, 252 Bloor St. W.

CHAIR, DEPARTMENT OF THEORY AND POLICY STUDIES IN EDUCATION, OISE/UT
A search committee has been established to recommend a chair of the department of theory and policy studies in education at the Ontario Institute for Studies in Education of the University of Toronto effective July 1. Members are: Professor Michael Fullan, dean, OISE/UT (chair); Professors Cecilia Morgan, Linda Muzzin, John Portelli and Jim Ryan, theory and policy studies in education; Michael Marrus, dean, School of Graduate Studies; and Elizabeth Smyth, curriculum, teaching and learning; and Mohammed Javam, student, and Annie Baker, administrative staff, theory and policy studies in education.

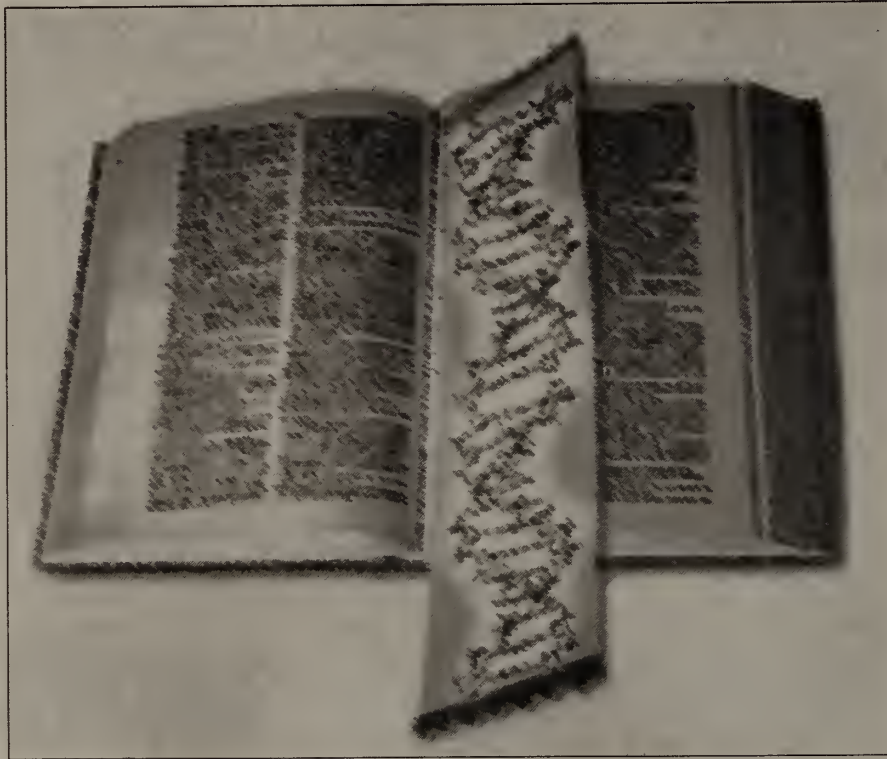
The committee would appreciate receiving nominations and comments by March 5 from interest members of the university community. These should be submitted to Dean Michael Fullan, Room 12-128, OISE/UT, 252 Bloor St. W.

READING THE BOOK OF LIFE

Now that we have a partial script for human genes, who should read it — and how should it be sold?

By TRUDO LEMMENS

SOME TIME BEFORE GATTACA hit the Canadian movie circuit, a U of T colleague called me frantically, asking "whether I had seen this outrageous advertisement of this new reproductive technology firm." The page-wide newspaper ad in *The Toronto Star* pictured a smiling, chubby Pabulum baby above the slogan: Want to get a perfect child? In it, an imaginary high-tech company GATTACA advertised a variety of genetic tests for concerned would-be parents. Some of these tests are already existing (such as tests for Huntington's disease and cystic fibrosis) and others are still speculative and are for controversial traits such as thrill seeking, aggressiveness and alcoholism. The story is indicative of two things: how hard it is to keep abreast of genetic developments; and that people have real concerns over the potential social consequences of the commercialization of this new technology.



WITH THE GENOME HYPE OVER THE LAST

year, people should know now that their ignorance merits no shame. Genetics still raises more questions than it provides answers; and putting together the encyclopedia of the human genome without knowing the meaning of most of the words not only remains an ongoing massive undertaking, it also has created several surprises. For example, new estimates suggest that we only have between 30,000 and 40,000 protein-coding genes, about twice that of a worm, and only about 5,000 more than those found in the genome of the weed thale cress. Obviously, that does not mean that we are very much like worms or cress. It just confirms what many have been saying all along: genes are only a part of a very complex story. In other words: even after scientists have put the encyclopedia together and managed to read many of its pages, they still won't know what constitutes great literature and why.

The all-too-often-used comparison with the assembling of an encyclopedia out of snippets has gained some new significance in light of what has become a cockfight between the two different gene sequencing initiatives, publicly funded International Human Genome Sequencing Consortium and privately owned Celera Genomics Corporation. Both played the public media as well as any sales agent for the *Encyclopaedia Britannica* and both sides hurled accusations of what could be called unfair trading practices. Their simultaneous research efforts were often compared to a race, but if it was a race, it surely was an unfair one. Celera could build on the data provided freely by the public consortium. It was using two horses at a time; one of them publicly sponsored. (Celera, however, defends its approach, pointing out that they provide researchers free access to their database and only block competitors from using it for commercial gain.)

Sometimes it is important not to look at what happens but to think what could have happened and what that teaches us for the future. Sir Sulston warned in an interview with the British newspaper *The Independent* that it is dangerous to trivialize the achievement of making science available for all. Whatever the full story is, it seems hard to deny that the existence of the publicly funded initiative has been a constant reminder of the importance of public access to scientific findings.

Celera's ultimate bottom-line is profit — it might have shown less enthusiasm to go public if there had not in fact been a public group with which to contrast its own efforts. The public effort was, so to speak, the public conscience, a mirror in which the private initiative had to find its own moral reflection in order to retain the support of the scientific community. Collaboration with that community ultimately determines Celera's potential for commercial success, and thus the support of the shareholders. The public effort

is also a powerful reminder that sophisticated research still can be undertaken in the public arena and with public funding.

The debate over the public/private divide in the sequencing stage tells us something about the challenges that lie ahead. It can be expected that for some time to come, detection of genetic susceptibilities and traits will outweigh concrete gains in disease treatment. A better understanding of disease will increasingly allow researchers to develop novel drugs and treatments, but often much after the detection of a genetic test. Predictive testing can provide important information and some tests may allow people to take preventive measures. But before treatments are developed, people will be vulnerable to misuse of predictive genetic testing and will remain vulnerable when treatment options are not available, expensive or otherwise out of reach.

New genetic technology will make it possible in the near future to scan entire genes for the detection of a variety of mutations. Genetic tools will become faster, more efficient and cheaper. This will stimulate the commercialization of various genetic tests. The number of genetic tests that can be offered will increase and it will become more difficult to control what tests are offered, by whom and under what

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circumstances. While predictive testing will offer various benefits in the health care context, some thorny ethical issues will come more to the forefront. Prenatal genetic testing could bring us new knowledge about the increased likelihood that newborns will later develop cancer or Alzheimer's, or be affected by stigmatizing conditions such as bipolar depression or obesity, or that they have more chances of being highly aggressive or particularly anxious and insecure. This may reinvigorate eugenic concerns in the context of the abortion debate. Should there be limits to what parents can test their future children for? Should we allow marketing tools to create consumer needs for genetic tests for a variety of genetic conditions or susceptibilities?

Marketing of genetic tests could not only influence parental desire. Third parties, such as insurers, employers,

immigration officials and other governmental agencies will gain interest in using genetic testing. Until recently, discrimination on the basis of genetic tests was mainly seen as a future risk. But several cases have been reported in the last months of more or less secretive genetic testing outside the health care context. The U.S. Equal Employment Opportunity Commission, for example, filed earlier this month its first-ever genetic testing lawsuit against a railway company, claiming that it collected DNA samples without informed consent.

It is clear that some of the applications of genetics raise thorny ethical issues that are of public importance. Considering how genetic testing can have social consequences, it becomes more than ever necessary to stimulate public debate and to develop appropriate regulatory structures to deal with these issues. It is all too often forgotten that the rules of the market are ethically blind. Increasing reliance on private involvement has to be accompanied by rules that serve the public interest. Unbridled commercialization of genetic testing will not necessarily

coincide with public interests. The visually challenged market of genetic testing should receive a guide dog we control. We may allow the market to walk with us but we should collectively determine when to walk and where to go with some of the genetic applications.

The cases of genetic discrimination also remind us how crucial a publicly funded health care system is. Health care specialists in the U.S. have argued that the rise of genetic testing, with its increased ability to distinguish people on the basis of risk, will make it more than ever necessary to introduce a universal health care system. People's access to health care should indeed not be hindered by their genetic constitution, which is precisely what can happen when market criteria determine health insurance premiums and genetic testing becomes an ordinary underwriting tool. Potential financial burdens created by the use of genetic testing by third parties may increase concerns for eugenic pressures mentioned earlier. Genetic discrimination could also impact on genetic research and on the use of genetics in the health care context, since people may fear that information gathered for health care purposes could negatively affect them.

THE RECOMMENDATIONS WITH RESPECT TO THE regulation of the use of testing also relate to the debate about public or private funding for research. Knowledge is power. Genetic research will give private companies involved in genetic research power over its applications. Commercial gene pool expeditions involving large parts of the Icelandic, Newfoundland, Quebec, Utah, Sardinian, Estonian and Tonda populations will surely lead to findings with significant health care benefits. But we have to make sure that we keep the ability to steer those who are accountable to shareholders into a system that is accountable to the public good. In that respect, it is important to constantly keep in mind the need for public involvement in genetic research. The public involvement through governmental funding and open debate not only constitutes a moral sign-post but will also make it possible to stimulate research on commercially less interesting health care interventions. In the end, public funding remains crucial for scientific progress; we should not forget that scientists who are allowed to ponder questions freely, without immediate concerns about commercial viability, have come up with some of the most significant findings.

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